Specifications

| | l | | |
|-------------------|---|--|--|
| Environment | HDMI 2.0a | | |
| Devices | Ultra HD Blu-Ray, projectors, monitors, TV, PC, laptops. | | |
| Transmission | Transparent to the user. | | |
| Video Bandwidth | 18 Gbps | | |
| Frequency Range | 25 to 600 MHz | | |
| Signals | HDMI 2.0a protocol. | | |
| HDCP | Revision 1.4 & 2.2 compliant. | | |
| Connectors | HDMI receptacle. | | |
| LEDs | Power: Blue | | |
| | Input & Output Link: Green | | |
| Resolution | 480i to 1080p @ 50/60 FPS | | |
| | 1080p @ 24/50/60 FPS | | |
| | 3840 X 2160 @ 24/25/30/60 FPS | | |
| Color | 8, 10 & 12 bit | | |
| Audio | LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master | | |
| | Audio and DTS:X | | |
| Cable | HDMI cable of appropriate length for video resolution selected. | | |
| Power Supply | One (1) 110-240V/5VDC, 2A power supply | | |
| Temperature | Operating: 0° to 40°C Storage: -20° to 60°C | | |
| | Humidity: up to 90% non-condensing | | |
| Enclosure | Metal enclosure | | |
| Bracket | Included | | |
| Dimensions | 4.33" x 2.44" x 1.00" (110 mm x 62 mm x 25 mm) | | |
| Weight | 0.8 lbs (0.36 Kg) | | |
| Compliance | Regulatory: FCC, CE, RoHS | | |
| Warranty | 2 years | | |
| Order Information | 500425 HDMI 1X2 Splitter, 4K/60 (UPC: 627699004258) | | |



HDMI 1X2 Splitter, 4K/60 (500425) Quick Installation Guide

Overview

The HDMI 1x2 Splitter (500425) allows one (1) HDMI source to be distributed to up to two (2) HDMI displays. The splitter supports up to 4K (3840 X 2160) video and HD audio. The splitter is HDCP 1.4 & 2.2 compliant and features LED diagnostics. Additionally, all connectors are on the rear panel for neater cabling. Applications include; commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Pre-Installation Check

Identify the connectors as indicated on the product diagram above. LEDs are located on the front and the connectors and mode switch on the rear.



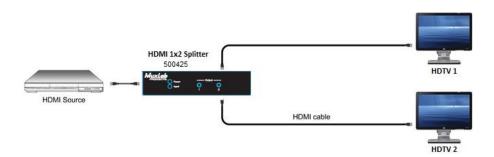
8495 Dalton Road, Mount Royal, Quebec, Canada. H4T 1V5 Tel: (514) 905-0588 Fax: (514) 905-0589 Toll Free (North America): (877) 689-5228 E-mail: <u>videoease@muxlab.com</u> URL: <u>www.muxlab.com</u>

94-000823-A SE-000823-A

Installation

In order to install the HDMI 1X2 Splitter, please follow the steps below:

- 1. Connect the HDMI video source to the input HDMI connector of the splitter with an appropriate HDMI cable.
- 2. Connect the HDMI display equipment to the output HDMI connectors of the splitter with appropriate HDMI cables.
- 3. Connect the 5 VDC power supply to the splitter first, and then plug the power supply into an AC power outlet.
- 4. Power on the HDMI equipment and verify the image quality.
- 5. The following diagram shows the final configuration.



Mode Switch Selection

Use the Mode rotary switch to select the EDID that will be sent to the HDMI source device.

| Mode | Function | |
|------|--|--|
| 0 | Firmware Update Mode | |
| 1 | EDID Ultra-HD (3840X2160@60Hz) - 7.1 Audio | |
| 2 | EDID Ultra-HD (3840X2160@60Hz) - 2.0 Audio | |
| 3 | EDID Ultra-HD (3840X2160@30Hz) - 7.1 Audio | |
| 4 | EDID Ultra-HD (3840X2160@30Hz) - 2.0 Audio | |
| 5 | EDID Full-HD (1080p) – 7.1 Audio | |
| 6 | EDID Full-HD (1080p) – 2.0 Audio | |
| 7 | EDID Full-HD (1080p, 3D) – 7.1 Audio | |
| 8 | EDID Full-HD (1080p, 3D) – 2.0 Audio | |
| 9 | EDID Full-HD (1080p, Deep Color) – 7.1 Audio | |
| Α | EDID Full-HD (1080p, Deep Color) – 2.0 Audio | |
| В | EDID HD (1080i, 720p) – 7.1 Audio | |
| С | EDID HD (1080i, 720p) – 2.0 Audio | |
| D | Auto EDID (Analysis learning mode) | |
| E | Learn EDID from Output 1 | |
| F | Learn EDID from Output 2 | |

Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in regard to the installation of the HDMI 1X2 Splitter. If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).

| Picture/ Sound | Probable Cause | Possible Solution |
|---------------------------------|----------------------------|---|
| No Image | Wiring | Check continuity |
| No Image | Synchronization | Check correct wiring Power off the source and displays, then power them back |
| Flickering Image | Synchronization | on. Check HDMI cable length against industry standards. |
| Choppy Sound | Synchronization | Check HDMI cable length against industry standards. |
| Noise in image Green or pink | Weak signal HDMI cables | Check HDMI cable length against industry standards. Check HDMI cables and replace as needed. |
| hue | | |